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FIG. 1

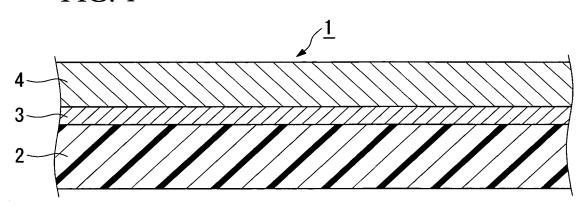
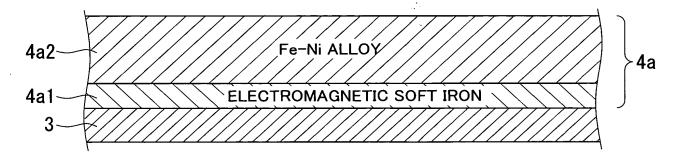


FIG. 2



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FIG. 3

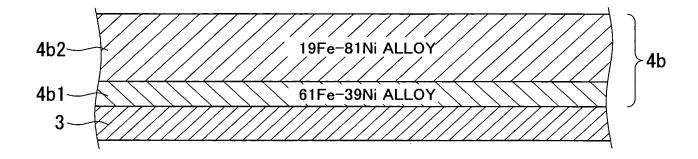
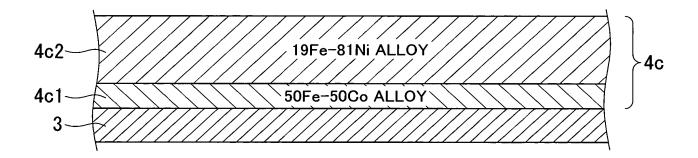
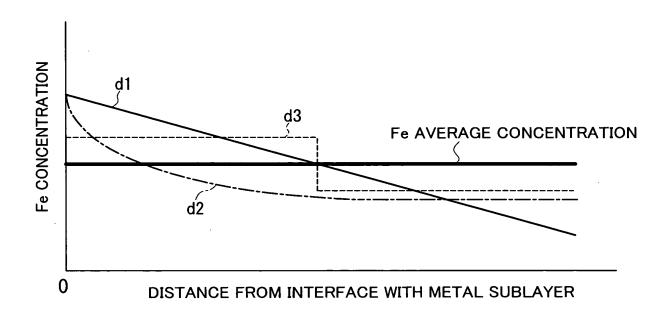


FIG. 4



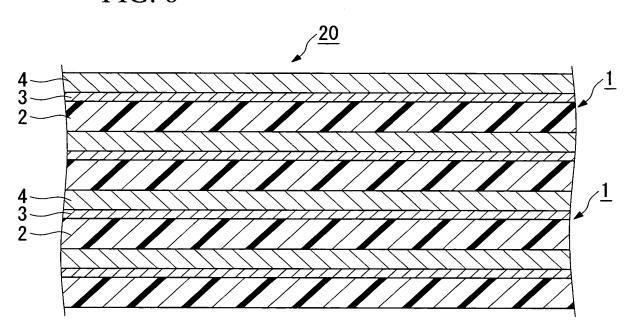
Hogan & Hartson 81864.0029 Yasuo HASHIMOTO et al. Soft Magnetic Member... EV 324 112 185 US 17 Drawing Sheets; Sheet 3 of 17

FIG. 5

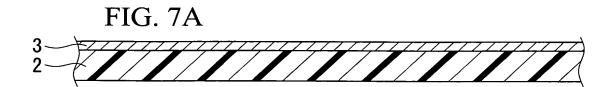


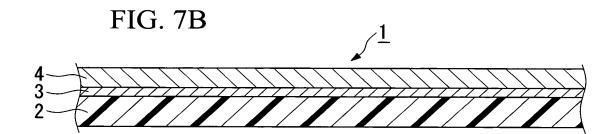
Hogan & Hartson 81864.0029 Yasuo HASHIMOTO et al. Soft Magnetic Member... EV 324 112 185 US 17 Drawing Sheets; Sheet 4 of 17

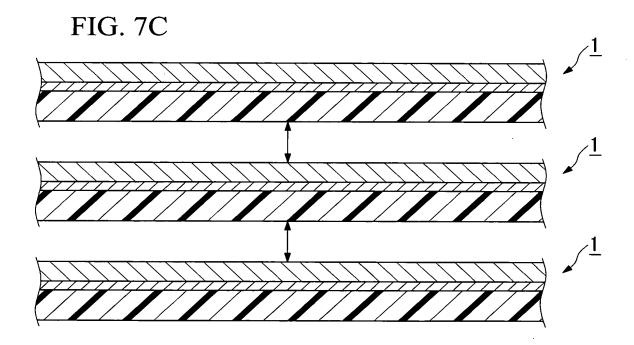
FIG. 6



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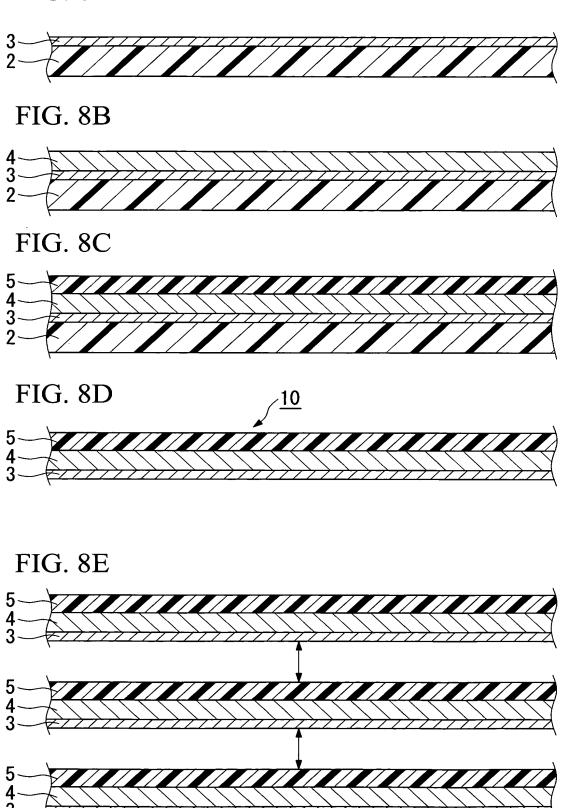






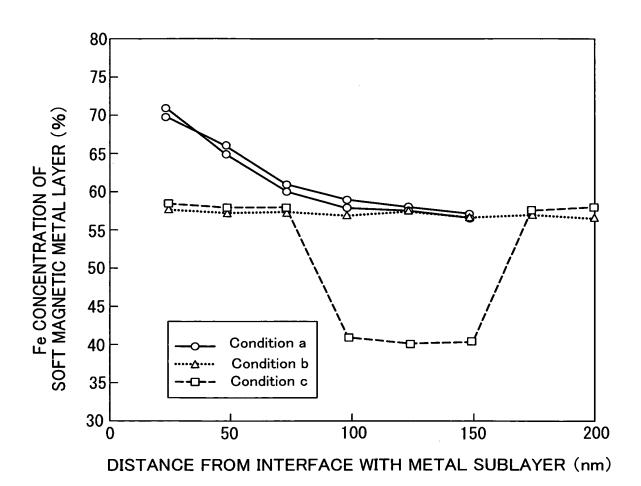
Hogan & Hartson 81864.0029 Yasuo HASHIMOTO et al. Soft Magnetic Member... EV 324 112 185 US 17 Drawing Sheets; Sheet 6 of 17

FIG. 8A

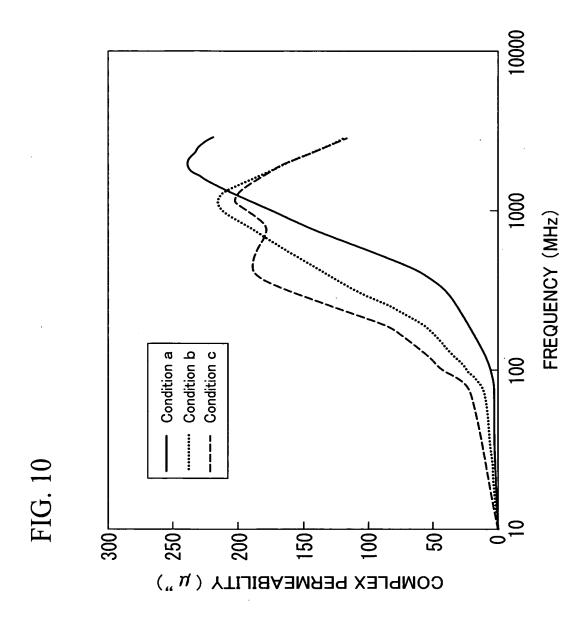


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FIG. 9



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s d		5.53	7.72	9.89	11.26	3.32	5.89	7.22	89.8
SOFT MAGNETIC METAL LAYER	COERCIVE FORCE(Oe)	9.1	4.6	4.3	3.0	10.9	6.2	5.0	4.7
	THICKNESS (p,nm)	105	147	188	214	123	218	267	321
	MATERIAL	61wt%Fe							
METAL SUBLAYER	COERCIVE FORCE(Oe)	39.7				73			
	THICKNESS (s,nm)	19				37			
	MATERIAL	ïZ							
SAMPLE SUBSTRATE		PET							
SAMPLE		a	þ	O	р	v	+	Ø	ء

FIG. 11

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FIG. 12

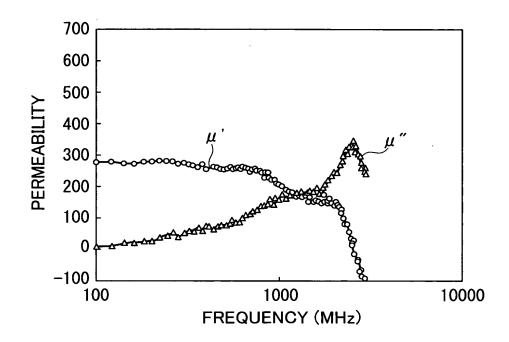
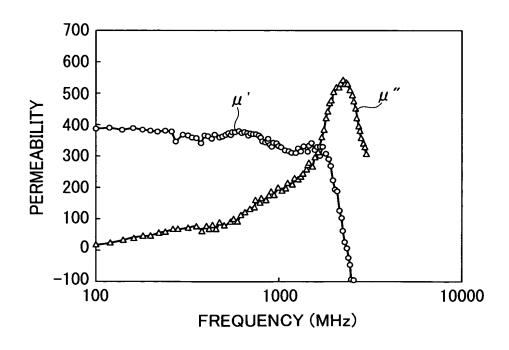


FIG. 13



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FIG. 14

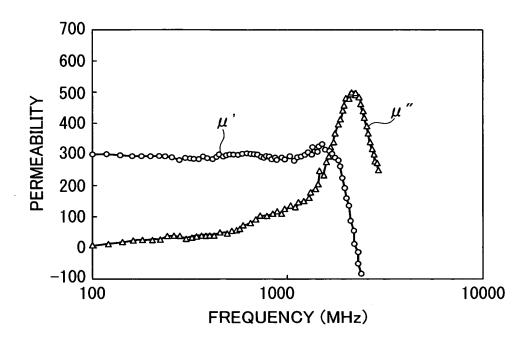
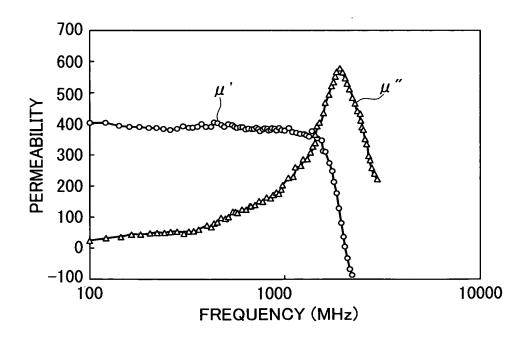


FIG. 15



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FIG. 16

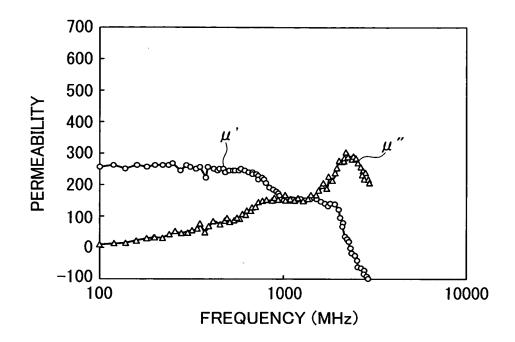
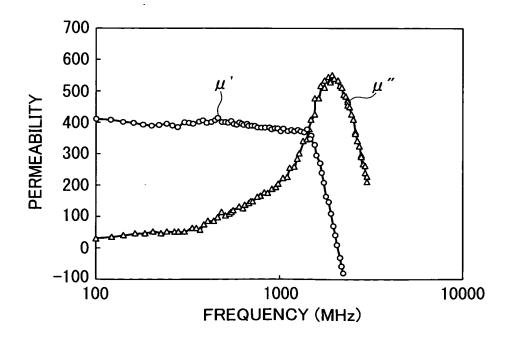


FIG. 17



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FIG. 18

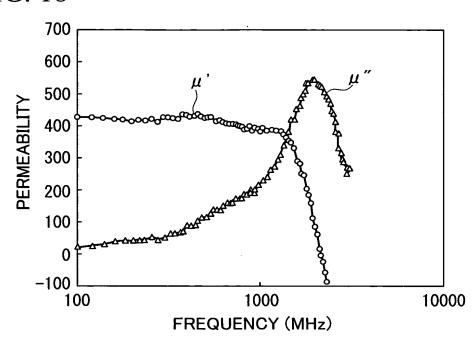
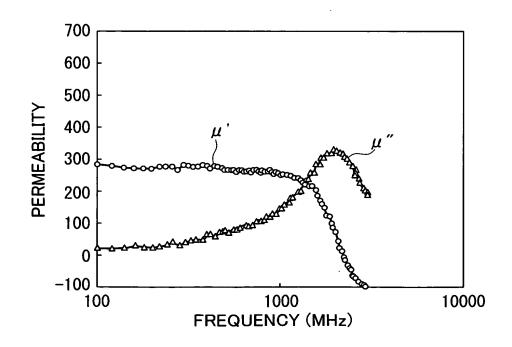


FIG. 19



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FIG. 20

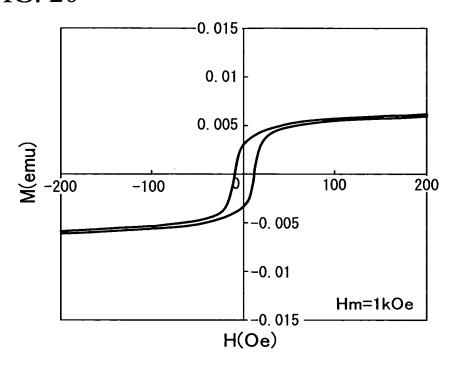
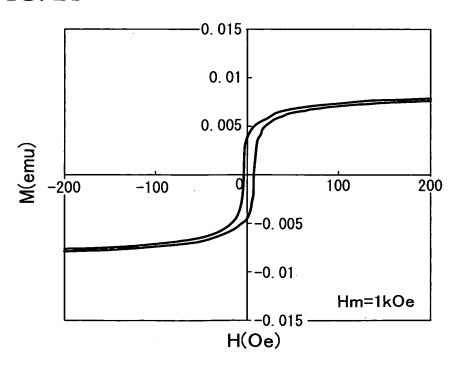


FIG. 21



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FIG. 22

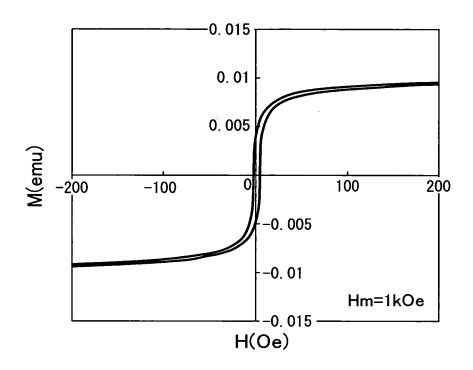
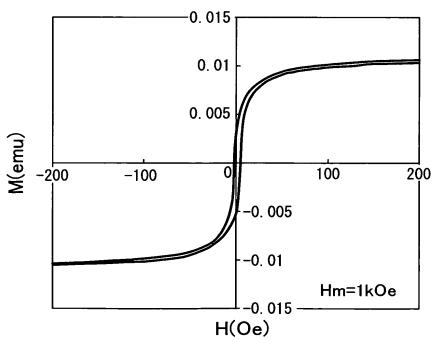


FIG. 23



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FIG. 24

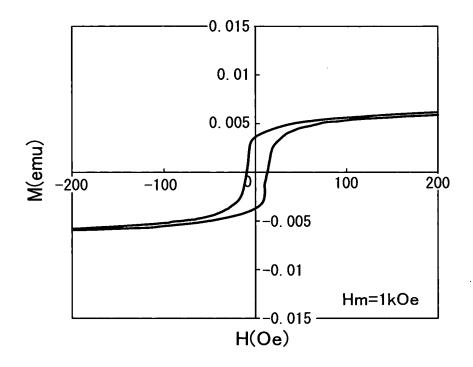
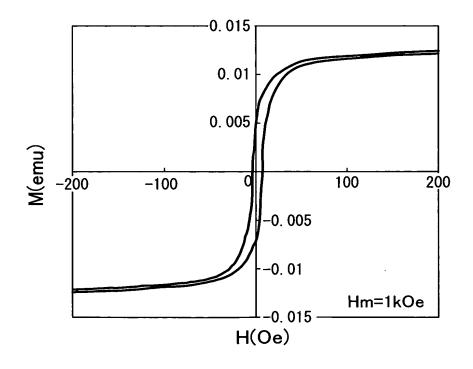


FIG. 25



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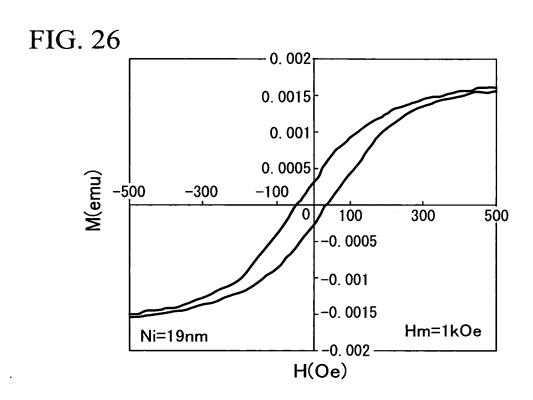


FIG. 27

